SAMSUNG

PORTABLE CELLULAR
TELEPHONE
SCH-A212
User's Manual

SAMSUNG

ELECTRONICS

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Health and Safety Information

Quick Safety Guide

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Health and Safety Information" on page 106.

Road safety comes first
Do not use a hand-held mobile phone while driving; park the vehicle first. Using your wireless phone while driving is illegal and not encouraged in Australia.

Switch off when refuelling
Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off on aircraft
Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital
Follow any regulations or rules. Switch phone off near medical equipment.

Respect special regulations
Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference
All wireless phones may be subject to radio interference, which may affect their performance.

Radio frequency exposure information
In August 1996, the Federal Communications
Commission (FCC) of the U.S. adopted an updated
safety standard for human exposure to radio
frequency electromagnetic energy emitted by FCC
regulated transmitters. The design of this phone
complies with the FCC guidelines and these
international standards.

To maintain compliance with FCC RF exposure
guidelines, if you wear a handset on your body, use
the Samsung-supplied or approved carrying case,
holster, or other body-worn accessory.

If you do not use a body-worn accessory, ensure the
antenna is at least one inch (2.5 cm) from your body
when transmitting. Use of non-approved accessories
may violate FCC RF exposure guidelines.

Use sensibly
Use only in the normal position (to ear). Do not touch
the antenna unnecessarily when the phone is
switched on.

Accessories and batteries
Use only SAMSUNG-approved accessories and
batteries.

Use qualified service
Only qualified service personnel must repair
equipment.

Unpacking

Your package contains the following items.
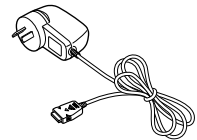
Handset

Batteries

Desktop Charger *

Travel Charger *

User's Manual   Hand Strap   Ear-microphone

In addition, you can obtain the following accessories
for your phone from your local SAMSUNG dealer:
• Standard or extended batteries
• Cigarette lighter adapter
• Hands-free car kit
• Data communication cable

*: It may not be contained in your package, depending on
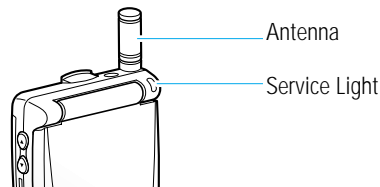your country.

Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.

With the phone open

Earpiece

Display

MENU key

Volume/Scroll keys

SEND key

Ear-microphone jack

Navigation/ Hot key

OK/Messages key

END key

Clear key

Alphanumeric keys

Special function keys

Microphone

With the phone close

Antenna

Service Light

Keys	Functions
MENU	Enters the menu facility. Also, scrolls through the main menus.
OK/	*In the menu facility*, confirms the selection and input. *In Standby mode*, enters the **Messages** menu, and quickly connects to the Voice Mail server when pressed and held.
	In the menu facility, scrolls through the menu options and Phonebook memory, and selects a menu function or stores information that you have entered. *In Standby mode*, allows you to enter the following menus depending on the direction:

- ▲ : Phonebook (Find by entry number)
- ▼ : Phonebook (Find by name)
- ◄ : Scheduler
- ► : WAP Browser

| Keys	Functions
(SEND)	Makes or answers a call. *In Standby mode*, recalls the last number dialled.
(CLR)	Deletes characters from the display. *In the menu facility*, returns to the previous menu level. *In Standby mode*, displays the digital clock while pressed and held.
(END/☺)	Ends a call. Also switches the phone on and off when pressed and held. *In the menu facility*, cancels your input and returns to Standby mode.
(0) (9 WXYZ)	Enters numbers, letters and some special characters.
(✱ Shift) (# Space)	Use these keys for various purposes in different functions.
(△ ▽)	(on the side of the phone) *In Standby mode*, adjusts the key volume. *During a call*, adjusts the earpiece volume. *In the menu facility*, scrolls through the menu options.

Display

The display comprises two areas: an upper line of icons, and the lower text and graphic area. The following icons display at power-on:
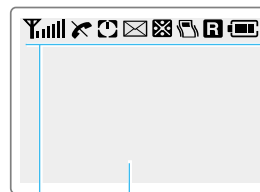
Icons   Text and graphic area

Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

No service: Appears when you are outside a service area. When it appears, you cannot make or receive calls. Wait a little while for a signal or move into an open area.

Alarm: Indicates that you have set an alarm.

⊠ **New message**: Appears when there is a received message waiting to be checked.

✖ **Text Input Mode**: Indicates the current text input mode when entering text.

For details on the text input modes, see page 34.

✎ **Vibrate mode**: Appears when your phone is on Manner mode or the ring type is set to **Vibrate**. An incoming call will vibrate the phone rather than ring it.

🄡 **Roaming:** Appears when you are out of your home area and have registered onto a different network (when travelling in other countries, for example).

▥ **Battery strength**: Shows the level of your battery power. The more bars you see, the more power you have left.

Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** menu option set in the **Display** menu. The backlight remains on at all times when the phone is connected to a Hands-Free Car Kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**Menu 6-3-1**) in Display; see page 95 for further details.

Service Light

The service light is at the top right of the phone. It flashes to indicate incoming call or message. Also, the service light flashes for a few seconds when you turn on the phone.
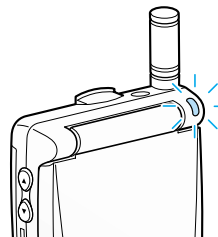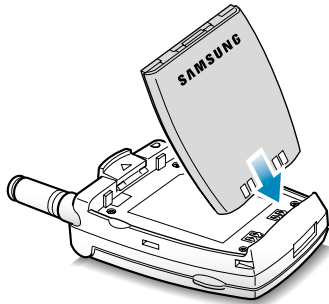
To activate or deactivate use of the service light, set the **SVC LED** menu option (**Menu 6-3-3**); see page 96 for further details.

Getting Started
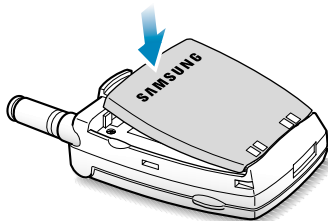
Installing Battery

To Install the Battery

1. Insert the tabs on the base of the battery into the notches on the base of the phone, as shown.
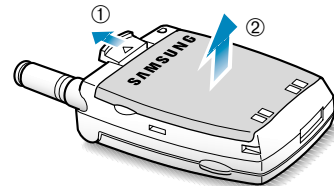
2. Push the battery down until it snaps into place.

   Make sure that you have installed the battery correctly before switching the phone on.

To Remove the Battery

1. If necessary, switch off the phone by pressing and holding down (END/o) until the power-off animation plays.

2. Slide the catch toward the top of the phone, hold it in the position (①), and lift the battery away (②).

Charging a Battery

Your phone is powered by a rechargeable Li-ion battery.

A travel charger and a desktop charger are provided with your phone. Use only SAMSUNG-approved batteries and chargers. Ask your local SAMSUNG dealer for further details.

Notes:
• You must fully charge the battery before using your phone for the first time. The phone can be used while the battery is charging.
• Depending on your country, the desktop charger may not be included in the phone package. Contact your local SAMSUNG dealer.

Using the Travel Charger

1. With the battery in position on the phone, connect the lead from the travel charger to the jack at the bottom of the phone.
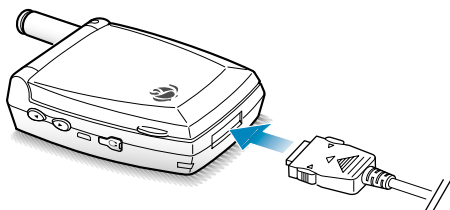

2. Plug the power cord of the charger into a standard AC outlet.

3. When charging finished (the indicator on the connector of the charger turns green), disconnect the charger from the AC outlet and remove it from the phone by squeezing the two tabs on the lead(①) and unplug the lead (②).
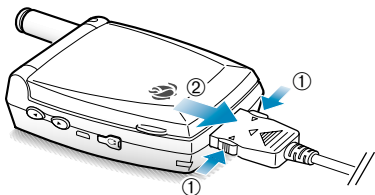
Using the Desktop Charger

1. Plug the power cord of the desktop charger into a standard AC outlet. When the power is connected properly, the LEDs on the charger flicker briefly and then turn off.
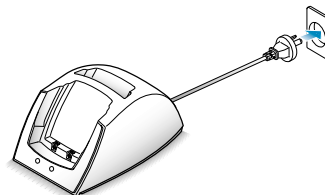

2. Place the battery into the compartment of the charger. Select one of the following two options:

• Place the phone with the battery attached into the front compartment. The left LED on the charger turns on in red.

• Insert a single battery (alone, not attached to the phone) into the rear compartment. The right LED on the charger turns on in red.
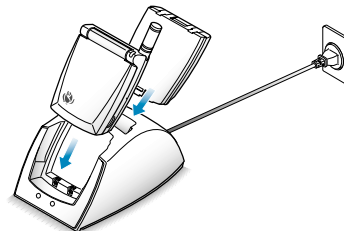
3. The color indication of the LEDs on the charger is as follows:

    • Red: charging
    • Green: fully charged

4. When charging is finished (the LED turns into green), remove the battery (or phone) from the charger and unplug the power cord of the charger from the AC outlet.

Low Battery Indicator

When the battery charge level is almost empty and only a few minutes of talk time remain, an empty battery strength icon (no bars displayed) blinks in the top right corner of the display. You will hear a warning tone.

```
Yull                      ▭

      Service Provider
      11/12/01 [TUE]
      (A.M.) 11:40
```
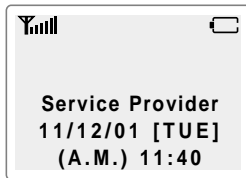
When the battery becomes too weak for the phone to operate, it switches off automatically.

Switching the Phone On/Off

1. Open the phone.

2. Press and hold down (END/o) to switch the phone on.

   The service light of the phone flashes, and an alert sounds. When the system locates services, the greeting message displays along with the date and time. You can now place and receive calls.

```
Yull                      ▥

      Service Provider
      11/12/01 [TUE]
      (A.M.) 11:40
```
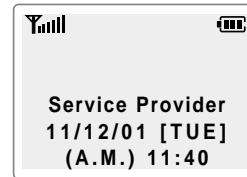
• If the phone is out of service, the No service icon ✗ appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.
• If your phone is locked, the Lock icon 🔒 displays. Enter the four-digit lock code to use the phone.

   To unlock your phone, deactivate the **Auto Lock** menu option (**Menu 8-✳**). For details, see page 104.

3. When you wish to switch the phone off, press and hold down (END/o) until the power off animation begins to play.

WARNING!
Do not switch on the phone when the mobile phone use is prohibited or when it may cause interference or danger.

Note: As with any other radio-transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Your Phone's Modes

Standby Mode

Standby is the most basic state of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press ⓔ. When your phone is in Standby mode, you will typically see the greeting message and current date and time. If you enter a phone number, you can press ⓢ to dial it.

Press ⓔ at any time to return to Standby mode. Be careful; if you are on a call when you press ⓔ, you will return to Standby mode, but it also disconnects the call. Press ⓒ several times or hold it down to return to Standby mode without ending the call.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing ⓜ gives you a list of options referred to as "In-Use Menu Options." See page 28 for details on the options.

Power Save Mode

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 10 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when your phone is operating in Power Save Mode.

Lock Mode

You can lock your phone to keep your phone away from an unauthorised use.

When your phone in Lock mode, you can see the Lock icon 🔒 in the idle screen and no key operates, except ⓔ and the numeric keys for entering the lock code. You can unlock the phone temporarily by entering the lock code and use the phone.

For details on locking and unlocking your phone, page 104.

Call Functions

Making a Call

In Standby mode, enter the area code and phone number, and press ⒮ⒺⓃⒹ. The phone places the call to the entered phone number.

When entering the phone number, pressing ⒨ⒺⓃⓊ allows you to access the following options:

Phonebook: allows you to save the number in your Phonebook. For further details on saving a number, see page 68.

Pause: inserts a pause. The numbers after a pause will be dialled after a few seconds.

Press ⊙ until the desired one is highlighted, and press ⊙.

Correcting the Number

If you make a mistake while entering numbers, clear the wrong number using ⒞ⓁⓇ and re-enter the correct number.

To clear...	Then press...
The last digit displayed	⒞ⓁⓇ.
The whole display	and hold down ⒞ⓁⓇ for more than one second.

Ending a Call

When you want to end your call, briefly press ⒠ⓃⒹ/ⓢ. The call time (length of call) displays with the name (if saved in Phonebook) and number of the call party.

If the number is not stored in your Phonebook, your phone prompts you to save the number. Press ⊙ to save the number. For further details on saving a number, see page 68. If you do nothing, the phone automatically returns to Standby mode after about ten seconds.

Or, close the phone to end a call.

Redialling Last Number

To redial the last number you called, press ⒮ⒺⓃⒹ twice in Standby mode.

The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows:

1. If necessary, press ⒠ⓃⒹ/ⓢ to return to Standby mode.

2. Press ⒮ⒺⓃⒹ to access the list of outgoing calls.

3. Press ⊙ to scroll through the list until the required number is displayed.

4. Press ⒮ⒺⓃⒹ to dial the displayed number.

Speed Dialling from Phonebook

Once you have stored phone numbers in the phone book memory (000 through 199), you can dial them easily whenever you want. See page 68 for details on storing phone numbers.

One-Touch Dial

Memory locations 000 through 009 are special one-touch locations. Press and hold the last digit of the memory location containing the number to be dialled.

For example: Location no. 009
Press 9wxyz and hold.

The number (and name) stored is displayed and then dialled.

Two-Touch Dial

Memory locations 010 through 099 are special two-touch locations. Press the second digit briefly and hold down the third digit of the memory cell.

For example: Location no. 023
Press 2ABC briefly and hold down 3DEF.

The number (and name) stored is displayed and then dialled.

Three-Touch Dial

Memory locations 100 through 199 are special three-touch locations. Press the first and the second digits briefly and hold down the third digit of the memory cell.

For example: Location no. 129
Press 1 and 2ABC briefly and hold down 9wxyz.

The number (and name) stored is displayed and then dialled.

Note: When several numbers are saved in one location, only the first-saved number which was automatically set as the speed dial number for the location will be automatically dialled. You can change the Speed Dial number while editing. For details, see the options in "Finding a Number by its Name" on page 65.

Adjusting the Volume

During a call, if you want to adjust the earpiece
volume, use the volume keys on the left side of the
phone.

Press ⒜ to increase and ⒱ to decrease the
volume. The illustration shows you the volume level.
The more bars you see, the louder the volume is.
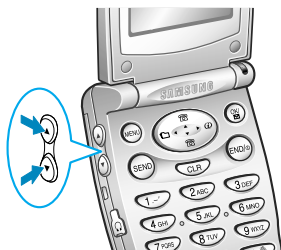
In Standby mode, you can adjust the key volume
using these keys.

Note: If you are in Manner mode, you cannot
adjust the volume setting. Release the
manner mode. See page 33 for further details
on Manner mode.

Answering a Call

When somebody calls you, the phone rings and the
phone icon in the middle of the screen flashes.

Caller's name
Caller's number
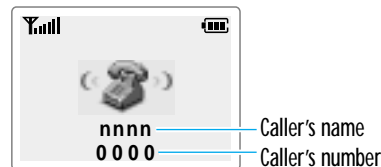
If the caller can be identified, the caller's phone
number (or name if stored in your phone book) is
displayed. If the caller cannot be identified, only the
phone icon flashes.

While the phone is ringing, pressing ⒠ mutes the
ringer. With the folder closed, press ⒜ or ⒱ to
mute the ringer.

1. If necessary, open the phone and press ⒮ to
answer a call.

   If the **Answer Mode** menu (**Menu 2-5**) is set to
   Anykey, you can answer a call by pressing any
   key except ⒠. See page 64.

2. End the call by closing the phone or pressing ⒠.

Note: You can answer a call while using the Phone
Book or menu features. Your setting will be
cancelled.

In-Use Menu Options

Your phone provides a number of functions that you can use during a call. You cannot utilise all of these functions at all times. Many of the In-Use Menu Options are network services.

Press 🔘 during a call to choose some or all of the following In-Use Menu options:

Phonebook: allows you to access the **Phone Book** menu. For details, see page 65.

Message: allows you to access the **Messages** menu. For details, see page 81.

Mute/Unmute: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Silent Key: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerised telephony systems, this option must be disabled.

SEND:Send

DTMF: sends DTMF tones of the currently displayed number. DTMF (Dual Tone Multi Frequency) tones can be used to control electronic phone services such as bank-by-phone or voice mail. During a call, key in the digits you want to send as DTMF tones, for example, the bank account number and password. Then, press this key.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and the caller can be identified. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, the phone displays the phone number of the most recent missed call.

Press 🔘 to make a call to the displayed number, or 🔘 to clear the message and return to Standby mode.

Dropped Calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and "Signal Faded" displays.

Press 🔘 to clear the message and return to Standby mode.

Failed Calls

A failed call can occur if your phone is out of calling range or the network is temporarily busy. Your phone responds to a failed call by displaying an appropriate message: "Call Failed Out of Range" or "Call Failed Network Busy".

Press ⊙ to clear the message and return to Standby mode.

Call Waiting

Call Waiting lets you receive a second call during conversation. Your phone notifies you of a call waiting by beeping and displaying "Call Waiting."

Your phone provides the option of turning the Call Waiting feature on and off (if you have subscribed to the service). Call Waiting is on by default in the phone. If you choose to have an undisturbed conversation, simply turn off the feature for the current call.

Contact your service provider to activate the Call Waiting service.

To answer a waiting call:

1. To answer the call, press ⊙ . The phone connects the calling party, and places the current party on hold.

2. Press ⊙ again to switch between two parties.

Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voice mail or another number that you have set up. Contact your service provider for more details.

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records each party into the Outgoing call log. Also, you are billed airtime for each of the outgoing calls separately.

Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, press ⊙ . The phone places the other party on hold.

2. Enter the phone number for the third party, and then press ⊙ . The phone dials the third party.

3. When you are connected to the third party, press ⊙ again to begin your three-way call.

If one of the callers (not you) hangs up, you and remaining caller stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

Call Forwarding

This feature provides the option of forwarding incoming calls to another phone number, even while your phone is off. Activating Call Forwarding does not affect outgoing calls made from this phone.

Contact your service provider to activate Call Forwarding.

Using the Display Notepad

Your phone has a really convenient feature for entering a phone number while on a call as if it were a note pad.

Say you are talking to a friend who wants to give you a phone number. Just enter the number using the keypad, and the number appears on the display. Then, when you hang up, the number remains in the display so that you can press (SEND) to be immediately connected to that party. Or press (MENU), select **Phonebook** to save the number into your phone book. For details on saving a number, see page 68.

Quick Switching to Manner Mode

You can quickly switch the phone to Manner mode. In manner mode, all sounds of your phone mute. When a call comes in, the phone vibrates than rings.

Press and hold (#) in Standby mode until the Vibrate mode icon 📳 and "[Manner Mode]" appears in the display.

If you press and hold the key again, the previously set ring type will be resumed.

This feature is convenient when you are in a hurry to mute the phone sound such as when in a theater.

Entering Text

While using your phone, you will need to enter text at many times. For example, when storing a name in the Phonebook, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

You are provided with the following text input modes:

• **T9 English**: This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on ⑤ⱼₖₗ could be J, K or L. T9 English mode automatically compares your key presses to an internal linguistic database to determine the correct word. T9 English mode requires far fewer keystrokes than the traditional multi-tap method, Alpha(ABC) mode.

• **Alpha(ABC)**: allows you to enter English characters by pressing the key labelled with the desired character repeatedly until the character displays.

• **Symbol**: allows you to enter various symbols and special characters.

• **Number**: allows you to enter numbers.

Changing Text Input Mode

When you are in a field that allows character entry, you should notice the text input mode indicator in the top line of the display.

Example: When you are writing a new message (**Menu 5-2-1-1**)

Text mode indicator
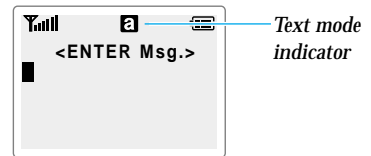
To change to another text input mode, do as follows:

1. Press (MENU) to access the Input Mode menu.


```
   Input Mode
1:Symbol
2:Number
3:T9 English
4:Alpha(ABC)
```
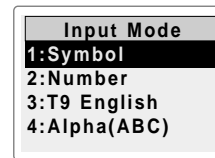
2. Scroll to the desired mode by pressing ☎ or ☎ repeatedly.

3. When the mode is highlighted, press ⊛ to select it.

4. You will find the selected text input mode indicator in the top line of the display.

Currently selected mode: T9 English

Note: If you want to exit the Input Mode menu without changing the mode, press ⊂CLR⊃.

T9 English Mode

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the handset just once per desired letter. For example, to enter 'hello', press ⊂4 GHI⊃, ⊂3 DEF⊃, ⊂5 JKL⊃, ⊂5 JKL⊃, ⊂6 MNO⊃.

2. The word you are typing appears in the display. It may change with each key you press.

3. Type to the end of the word before editing or deleting any keystroke.

4. Complete each word with a space by pressing ⊂# ⊃.

If the word that appears in the display is not the word that you desire, press ⊂0⊃ one or more times to display alternate word choices for the keys you have typed (For example, 'of' and 'me' both shares the sequence ⊂6 MNO⊃, ⊂3 DEF⊃.). The phone displays the most commonly used choice first.

To type words not found in the phone database, change the text input mode to Alpha(ABC) mode.

Smart Punctuations

Period, hyphen, and apostrophe are available on ⊂1⊃. T9 applies rules of grammar to insert the correct punctuation. Notice that ⊂1⊃ is used twice in this example to display two punctuation marks:

⊂5 JKL⊃	⊂3 DEF⊃	⊂8 TUV⊃	⊂1⊃	⊂7 PQRS⊃	⊂#⊃	⊂3 DEF⊃	⊂2 ABC⊃	⊂8 TUV⊃	⊂1⊃
L	E	T	'	S		E	A	T	.

Upper Case Letters

There are three shift states:

- Lower Case (**en** indicator appears)
- Initial Cap (**En** indicator appears)
- Caps Lock (**EN** indicator appears)

Press ⊂* SHR⊃ one or more times to display the appropriate shift indicator, and begin typing normally.

Including a Number

You can include a number between letters without exiting the T9 English input mode. Press and hold the desired number key.

Scrolling

• To view your message without moving the cursor, press the volume keys on the left side of the phone.

• To move the cursor left or right through your text message, press ⟨⟨ ◁ or ▷ ⟩⟩ .

• To scroll through alternate word choices for the keys you have pressed, press ⟨0⟩ .

Clearing Letters and Words

Press ⟨CLR⟩ one or more times to clear letters to the left. Press and hold ⟨CLR⟩ to erase the whole words.

Alpha(ABC) Mode

When typing in Alpha(ABC) mode, you should press key labeled with the required character:
-Once for the first character
-Twice for the second character
and so on.

For example, you press ⟨2ABC⟩ three times quickly to display the character "C" , ⟨5JKL⟩ two times quickly to display the character "K". So, this method is called Multi-tap typing.

Refer to the table below for the list of characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed
⟨1⟩	.　　,　　?　　!　　-　　'　　@　　:　　1
⟨2ABC⟩	A　　B　　C　　2
⟨3DEF⟩	D　　E　　F　　3
⟨4GHI⟩	G　　H　　I　　4
⟨5JKL⟩	J　　K　　L　　5
⟨6MNO⟩	M　　N　　O　　6
⟨7PQRS⟩	P　　Q　　R　　S　　7
⟨8TUV⟩	T　　U　　V　　8
⟨9WXYZ⟩	W　　X　　Y　　Z　　9
⟨0⟩	0

(Caps Lock mode)

The cursor moves to the right when you press a different key. When entering the same character twice (or a different character on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next character.

To shift the case of the next character(s) that you type, press ⭐ one or more times. There are two shift states: Lower Case is indicated by **a** in the display, and Capitals Lock is indicated by **A** .

Inserting a Space
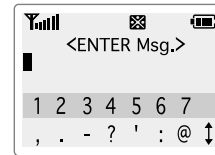
Press ⌗ to insert a space between the words.

Scrolling

To move the cursor left or right through your text message, press ◁ or ▷ .

Clearing Words

Press ⌫ one or more times to clear letters to the left. Press and hold ⌫ to erase the whole words.

Symbol Mode

Symbol mode enables you to enter symbols into a text message.

```
 Y.ull        ⊠         ▭
         <ENTER Msg.>
 ▮
 1 2 3 4 5 6 7
 ,  .  -  ?  '  :  @  ↕
```

To scroll through the symbols available, press the volume keys on the left side of the phone. Press the keys corresponding to the desired mark and the phone automatically switches back to the text entry mode used just prior to selecting Symbol mode.

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

Using the Menus

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or using the shortcuts.

Accessing a Menu Function by Scrolling

The following keys are used to set the menu option by scrolling then selecting an option.

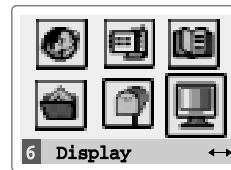| To...	Then press...
Enter the menu facility	(MENU)
Scroll to the desired menu options	
Enter the menu displayed or the highlighted option	
Move back to the previous menu level	(CLR)
Exit the menu facility without saving the setting	(END/@)

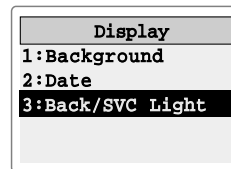<u>Example:</u> Setting the **SVC LED** menu option.

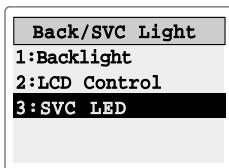1. In Standby mode, press (MENU) to access the menu facility.

2. Scroll to **Display** by pressing . Then, press to enter the selected menu.

3. Scroll to **Back/SVC Light** by pressing . Then, press to enter the menu.

4. Select **SVC LED** by pressing 🔘 and pressing
   🔘.

```
┌─────────────────────────────┐
│   Back/SVC Light            │
│ 1:Backlight                 │
│ 2:LCD Control               │
│ 3:SVC LED                   │
│                             │
│                             │
└─────────────────────────────┘
```

5. Select the desired setting by pressing 🔘 .

```
┌─────────────────────────────┐
│ Y.ull               ▥       │
│         ?                   │
│                             │
│      Set SVC LED?           │
│      Set   Cancel           │
└─────────────────────────────┘
```

6. Press 🔘 to confirm your selection.

   Your phone saves the setting and then returns to
   previous menu level.

Accessing a Menu Function by Using its Shortcut

The menu items (menu, submenus and setting
options) are numbered and can be accessed quickly
by using their shortcut number.

1. In Standby mode, press 🔘.

2. Within three seconds, key in the first digit of the
   shortcut number. Repeat this for each digit of the
   shortcut number.

   Example: Accessing the **SVC LED** menu

   Press 🔘, and key in 6MNO, 3DEF, 3DEF.

   MENU for entering the menu facility, **6** for
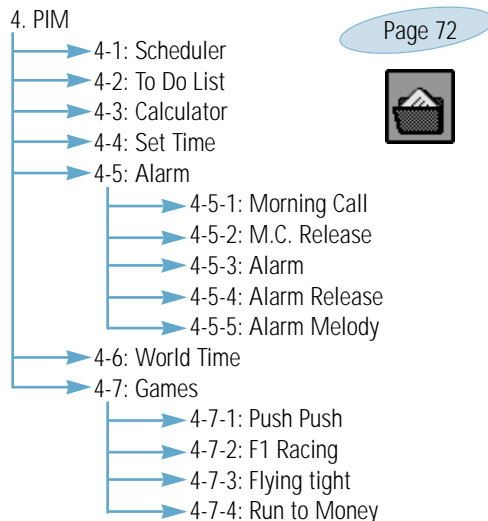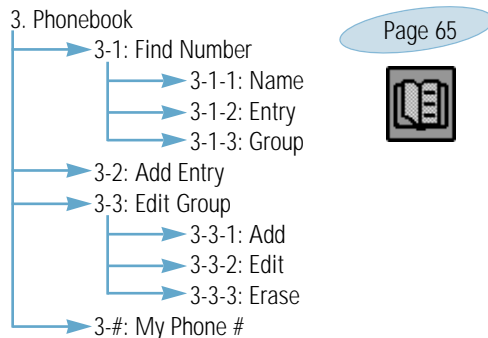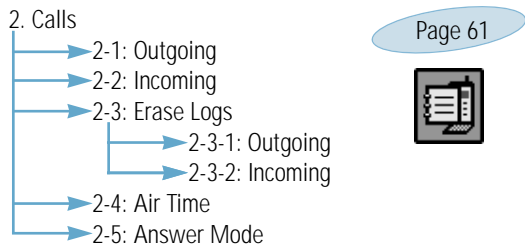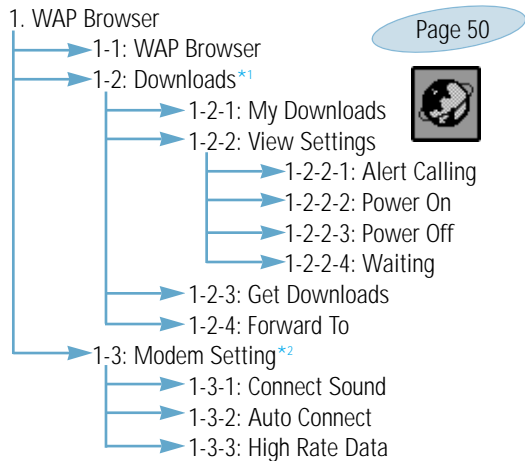   **Display**, **3** for **Back/SVC Light**, **3** for **SVC LED**.

3. Press 🔘 to scroll to the desired setting, and
   press 🔘 to confirm the chosen setting.

Note: The numbers assigned to each menu
function are indicated on the list on page 46.

List of Menu Functions

The list shows the menu structure available and indicates the:

- Number assigned to each option
- Page on which you can find a description of each feature

1. WAP Browser

Page 50

→ 1-1: WAP Browser
→ 1-2: Downloads*[1]
　　→ 1-2-1: My Downloads
　　→ 1-2-2: View Settings
　　　　→ 1-2-2-1: Alert Calling
　　　　→ 1-2-2-2: Power On
　　　　→ 1-2-2-3: Power Off
　　　　→ 1-2-2-4: Waiting
　　→ 1-2-3: Get Downloads
　　→ 1-2-4: Forward To
→ 1-3: Modem Setting*[2]
　　→ 1-3-1: Connect Sound
　　→ 1-3-2: Auto Connect
　　→ 1-3-3: High Rate Data

2. Calls

Page 61

→ 2-1: Outgoing
→ 2-2: Incoming
→ 2-3: Erase Logs
　　→ 2-3-1: Outgoing
　　→ 2-3-2: Incoming
→ 2-4: Air Time
→ 2-5: Answer Mode

3. Phonebook

Page 65

→ 3-1: Find Number
　　→ 3-1-1: Name
　　→ 3-1-2: Entry
　　→ 3-1-3: Group
→ 3-2: Add Entry
→ 3-3: Edit Group
　　→ 3-3-1: Add
　　→ 3-3-2: Edit
　　→ 3-3-3: Erase
→ 3-#: My Phone #

4. PIM

Page 72

→ 4-1: Scheduler
→ 4-2: To Do List
→ 4-3: Calculator
→ 4-4: Set Time
→ 4-5: Alarm
　　→ 4-5-1: Morning Call
　　→ 4-5-2: M.C. Release
　　→ 4-5-3: Alarm
　　→ 4-5-4: Alarm Release
　　→ 4-5-5: Alarm Melody
→ 4-6: World Time
→ 4-7: Games
　　→ 4-7-1: Push Push
　　→ 4-7-2: F1 Racing
　　→ 4-7-3: Flying tight
　　→ 4-7-4: Run to Money

*[1] : May not available depending on your service provider.
*[2] : The order of the submenus may vary depending on your service provider.

5. Messages

Page 81

5-1: Inbox
5-1-1: Voice Mail
5-1-2: Text
5-1-3: Erase All
5-1-4: Set Alert Type
5-1-5: Browser Alerts
5-1-6: Display
5-2: Outbox
5-2-1: Messaging
5-2-2: Sent Message
5-2-3: Paging
5-2-4: Delivery Ack

6. Display

Page 93

6-1: Background
6-1-1: Power On/Off
6-1-2: Wallpaper
6-1-3: Text Slide
6-2: Date
6-3: Back/SVC Light
6-3-1: Backlight
6-3-2: LCD Control
6-3-3: SVC LED

7. Sounds

Page 97

7-1: Ring Type
7-2: Ring Tone
7-3: Ring Volume
7-4: Connect Alert
7-5: Release Alert
7-6: DTMF Tone

8. Security (Lock code required)

Page 100

8-1: Restrict
8-1-1: Lock Code
8-1-2: Privacy
8-1-3: Memory
8-1-4: Incoming Call
8-1-5: Int. Call
8-1-6: Incoming #
8-1-7: All Out. Call
8-2: Set NAM
8-3: Priority #
8-4: System Select
8-✳ : Auto Lock
8-# : Initialise
8-#-1: Clear All
8-#-2: Reset Phone

WAP Browser

You can use the **WAP Browser** menu to:
• Launch the WAP browser to access the Internet.
• download the animated images.

You can quickly enter the menu by pressing ⟫◎⟫ from Standby mode.

WAP Browser   *Menu 1-1*

Your phone comes equipped with a WAP browser makes it possible for you to access the wireless WAP.

The WAP browser allows you to access up-to-the minute information through your phone. Browsing the wireless WAP through your phone is unlike using your computer in that site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed most graphics.

Each time you start the WAP browser, the phone will connect to the Wireless WAP and the Service icon ☎ will appear on the display. Any time the icon is visible on the display, you are connected to the Wireless WAP and will be billed accordingly. Rates will vary according to your service option.

The WAP browser will end the connection after a certain period of network inactivity and will automatically reconnect as necessary. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimise your bill.

Launching the WAP Browser

Note: The first time you use the WAP browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

1. Accessing the **WAP Browser** menu connects your phone to the wireless WAP.

   You can quickly launch the WAP browser by pressing and holding ⟫◎⟫ down in Standby mode.

2. When a connection is established with your service provider and the corresponding homepage is displayed.

3. The contents of the WAP Browser startup homepage are dependent on the Wireless Web service provider. To scroll through the screen, press ☎ or ☎ .

Exiting the WAP Browser

To exit the Browser, simply press (END/◎) at any time.

Using the WAP Browser Soft Keys

At the bottom of the browser display is a solid bar which contains browser commands. "Soft" keys (and) below the solid bar are used to execute the commands. These two keys are called soft keys because their function changes depending on where you are in the WAP browser software.

Navigating the WAP Browser

When you use the WAP browser, some keys on your phone operate differently than on a normal phone call. These keys are explained on the next page. The WAP browser presents on-screen items in one of the following ways:

• text or numeric input
• links (embedded in content)
• numbered options (some options may not be numbered)
• simple text

You can act on the options or links by making use of the soft keys. The soft keys are located below the bottom line of the display.

Here's how the keys work in the WAP browser:

Up/Down Navigation Key: Use the navigation key to scroll to and select browser options. The currently selected option is indicated by the ▶ symbol. You can also use the navigation keys to move the cursor when editing text.

MENU Key: This is the left soft key. This key is used to access the browser menus. For more information, see "Using the WAP Browser Soft Keys" on page 52.

OK Key: This is the right soft key. The left soft key is used primarily for selecting the highlighted item, but its function may change depending on what you are doing (see "Using the WAP Browser Soft Keys" on page 52).

END Key: Exits the browser and returns the phone to Standby mode.

Right Cursor Key: Moves the cursor right in a text entry.

Left Cursor Key: Moves the cursor left in a text entry.

Numbered Keys 0 - 9: If the items on a page are numbered, you can use these keys to select them.

CLR **CLR Key**: This key performs two important functions:

- Backs you up in the browser. Pressing it once backs you up one page. Pressing and holding this key backs you up to the Home page.
- Clears out entered text or numbers. When entering numbers or text, press this key to clear the last number, letter, or symbol. Press and hold this key to completely clear the input field.

Volume Keys: Allows you to scroll up or down by a page.

Entering Text in the WAP Browser

When prompted, you can enter letters, numbers or symbols using the same way as in the phone mode. See page 34 on how to enter text.

Using Links

Links have several purposes, including jumping to a different page, jumping to a different site, or even initiating a phone call from some sites. Links are shown inside of brackets (**[ ]**), and you can normally use the left soft key to select a link when it is highlighted.

Initiating a Phone Call during a WAP Browser Session

You may initiate a phone call from the WAP Browser if the site you are using supports this feature (the phone number may be highlighted and the left soft key will appear as "Call."). In most cases, you can also use SEND to call the number. The browser connection will be terminated when you initiate the call. After you end the call, your phone will return to Standby mode.

Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

To Create a Bookmark

1. Go to the page that you want to mark.

2. Press and hold MENU down. A list of options appears.

3. Select **Mark Site**.

4. If the page has a title, it will be automatically used for the name of the bookmark. You can also change the bookmark name. Selecting **Save** will save the name and add the page to your list of bookmarks.

5. A message will appear confirming that the bookmark was added to the list. Select **OK** to return to the screen that you marked to resume navigation within the WAP Browser.

6. The new bookmark is added to the bottom of your bookmark list.

Finding a Bookmark

1. From the Home Page, select **Bookmarks**.

2. Select the bookmark you want and press ⊛.

Or, from the Home Page, press and hold the number associated with the bookmark in the bookmark list.

Downloads   *Menu 1-2*

Using this menu, you can download the background images for the display from the WAP service provided by your service provider.
Contact your service provider for further details.

Note: This function is available only if supported by your service provider.

My Downloads

You can view the images downloaded from the WAP service via the **Get Downloads** menu (**Menu 1-2-3**). Also, you can set an image to be displayed at an incoming call, power on/off, or Standby mode.

Press ⊚ to select the title of the desired image from the list and press ⊛. You can see the selected image playing (with the melody if available).

While reviewing the image, you are provided with the following options at the bottom of the display:

Setting: allows you to set the selected image to displayed when a call comes in (**Alert Calling**), the phone switched on(**Power On)** or off (**Power Off**), or the phone is in Standby mode (**Waiting**).

Delete: allows you to delete the selected image. When a confirming message appears, press ⊛ to delete the image or ⊛ to cancel your selection.

View Settings

After setting the images using the **Setting** option in the **My downloads** menu (**Menu 1-2-1**), you can view the image settings using this menu.

Get Downloads

This menu allows you to access the WAP service of your service provider and download images (with the melody if available) as your preference.

Forward To

You can forward the URL of the downloaded image to other persons.

1. Press ⬭ to select the title of the desired image from the list and press ⬯ . You are connected the WAP service of your service provider.

2. Enter the destination number and press ⬯ . The URL of the image will be delivered to the recipient by SMS message.

Modem Setting   *Menu 1-3*

Your phone is capable of sending or receiving digital data and fax call when connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Windows NT, Windows 98 or later. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications.

To use digital data or fax services with your phone, you will need to obtain digital data/fax kit from your local SAMSUNG dealer. This kit will contain the necessary cables, software, and documentation required for you to connect and use your phone with your computing device. Refer to your data kit manual for further details on setting up your computing device.

Notes:
• The phone must be on a digital network to receive fax and data.
• The order of the submenus of this menu may vary depending on the service provider.

Connect Sound

This option allows you to set how you are alerted when the phone receives data or fax calls. You can see the current setting marked with ∗. The following options are available:

Bell: you can select the desired one of 5 bell types.

Melody: you can select the desired one of 15 melodies.

Auto Connect

You can set the phone to functions as a modem to send or receive data and fax calls.

Release: The mode for the data and fax is released. Your phone can send or receive the voice calls only.

Modem Connect: The mode for data calls is set. The phone automatically receives incoming data when the data cable is connected.

Fax Connect: The mode for fax calls is set. The phone automatically receives incoming fax calls when the data cable is connected.

High Rate Data

This menu allows you to set the phone as a modem to send or receive data in high speed.

Select **Set** to turn this feature on. Otherwise, select **Cancel**.

Calls

You can use the **Calls** menu to:
• View the records of the last outgoing or incoming calls, and erase the numbers in the Call logs.
• View the duration of calls and specify the answer mode.

Outgoing   *Menu 2-1*

The phone stores up to last 10 calls you dialled. When you access this menu, the list of outgoing calls is displayed.

To...	Press...
Select an entry	⊙
Dial the selected entry	(SEND)
View the details on the call	⊛

When you press ⊛ , you can view the date/time stamp of the selected entry. If the number have been saved in your Phonebook, the name displays.

Press ⌨ to access **Options**. Highlight the desired one using ⊙ and then press ⊛ . The following options are available:

Phonebook: saves the selected number in Phonebook. For further details on saving a number, see page 68.

Pause: allows you to insert a pause after the number.

Incoming
Menu 2-2

This option lets you view the last 20 calls placed to your phone if you are subscribed to the caller identification service. When you access this menu, the list of incoming calls is displayed.

Note that the numbers without a check mark are the missed calls.

To...	Press...
Select an entry	⬆⬇
Dial the selected entry	SEND
View the details on the call	⊛

When you press ⊛, you can view the date/time stamp of the selected entry. If the number have been saved in your Phonebook, the name displays.

Press ⌨ to access **Options**. Highlight the desired one using ⬆⬇ and then press ⊛. The following options are available:

Phonebook: saves the selected number in Phonebook. For further details on saving a number, see page 68.

Pause: allows you to insert a pause after the number.

Erase Logs
Menu 2-3

You can erase the entries stored in each of the call logs.

The following options are available:

Outgoing: The calls you made are erased.

Incoming: The calls you received are erased.

When a confirming message displays, highlight **Yes** to erase the log or **No** to cancel your selection using ⬆⬇ and press ⊛.

Air Time
Menu 2-4

Your phone records the amount of air time (or talk time) used. Using this option, you can view the air time of the last call to or from your phone, and the air time for all calls.

"Tot." indicates the total length of all calls made to or from your phone since the phone was shipped from the factory and "Last" indicates the length of the last call.

You can easily erase the airtime measurement by pressing ⊛ while the air time displays .

Note: This feature is not intended for billing purpose. The air time shown in this menu may differ from the actual call time you will be charged for.

Answer Mode   *Menu 2-5*

This menu option allows you to select how to answer when a call comes in. Your phone is preset to answer a call by pressing any key.

The following options are available:

SEND: To answer the incoming call, you must press
(SEND) .

Anykey: To answer the incoming call, you can press any key except (END/o) .

Phonebook

The Phonebook allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 200 entries.

Find Number   *Menu 3-1*

This option allows you to find the stored numbers in the Phonebook by name, entry number and group name.

Note: You can quickly enter this menu by pressing ☎ or ☎ in Standby mode.

Finding a Number by its Name

This option allows you to find a stored number by its name.

1. Press ⊛ when **Name** is highlighted.

2. Enter the starting character(s) of the name by pressing the associated alphanumeric key(s) and press ⊛ .

   Using this method, the phone searches for the names in the list beginning with that character(s), and then displays the corresponding entries.

3. If necessary, press 📞 or ☎ to scroll to the desired name.

Note: If you have stored the several numbers into different categories under one entry, press (⊏‹ or ›⊜) to find the number you want.

4. When the desired entry displays, press (SEND) to place a call, or (⊛) to display information on the number.

With an entry selected, if you press (MENU), you can display the following options:

Edit: allows you to change the phone number, name, speed dial number (if multiple numbers are saved) or group.

Add: allows you to add the different kinds of numbers into the name, such as work office number or mobile number.

Del: deletes the number.

Finding a Number by its Entry Number

This option allows you to find a stored number by its entry number.

1. Press (⊙) to select **Entry**, and press (⊛).

2. Enter the number of the desired entry, and press (⊛).

3. If necessary, press 📞 or ☎ to scroll to the desired entry.

Note: If you have stored the several numbers into different categories under one entry, press (⊏‹ or ›⊜) to find the number you want.

4. When the desired entry displays, press (SEND) to place a call, or (⊛) to display information on the number.

With an entry selected, if you press (MENU), you can display the options. For further details, see "Finding a Number by its Name" on page 65.

Finding a Number by its Group

This option allows you to the stored number by its group name.

1. Press (⊙) to select **Group**, and press (⊛).

2. Press 📞 or ☎ to scroll to the desired group and press (⊛).

3. Press 📞 or ☎ until you find the desired name from the list of the numbers in the group.

4. When the desired entry displays, press (SEND) to place a call, or (⊛) to display information on the number.

With an entry selected, if you press (MENU), you can display the options. For further details, see "Finding a Number by its Name" on page 65.

Add Entry
Menu 3-2

This menu allows you to store a number with a name in your Phonebook. You can save a person's different kinds of numbers, such as workplace number, mobile number and pager number, into one entry. Using this feature, you can keep one's information together. It also helps you to find numbers easily in Phonebook.

Creating a New Entry

1. Enter the desired name for the entry and press ⬚. You can enter up to 10 characters. For details on how to enter text, see page 34.

2. The first available location highlights. To accept the displayed location, just go to next step. To select another location, enter the location number using the numeric keys.

3. Press ⬚, and enter the phone number you want to store.

4. Press ⬚, and select a label using (◁ or ▷). The available labels are: Home (🏠), Office (🏢), Mobile (📱), and Pager (📟).

5. Press ⬚ to go to the GROUP field. When "Set" is highlighted, press ⬚. And select desired group from the list by pressing ⬚ or ⬚ then ⬚.

   If you do not wan to set the group, press (◁ or ▷) to select "No Set".

6. Press ⬚ to save the entry.

Note: You can edit an existing group or add a new group. For details on editing or adding a group, see page 70.

Adding a Number in an Existing Entry

You can store up to four numbers per entry by assigning them to different categories. Note that you cannot duplicate same categories for one entry. For example, you can only have one number labelled ' 📱 (Mobile)' for the selected entry.

1. Find the entry where you want to add a number. When the entry information is displayed, press ⬚ to display the options.

2. Press ⬚ to select **Add**, and press ⬚.

3. Enter the number and press ⬚.

4. After selecting a label using (◁ or ▷), press ⬚.

   Note: Only the unused labels are shown in the LABEL field.

5. The number is saved, and then the number and its information are displayed.

Storing Phone Numbers at Call End

To store a phone number at your call end, do as follows:

1. Press ⓔⓝⓓ to end the call. The call time and the phone number display.

2. To store the phone number, press ⏵⏵ .

3. To complete storing the number, follow the instructions in "Creating a New Entry" on page 68.

Edit Group   *Menu 3-3*

This menu allows you to add a new group and edit or erase the exiting groups. You have three predefined groups and can define three groups as your preference.

Adding a New Group

You can add up to three new groups.

1. Select **Add** using ⬮ and press ⓞⓚ .

2. Enter the name for the group. You can enter up to 10 characters. For details on entering text, see page 34.

3. When you are satisfied, press ⓞⓚ.

4. Select the ring type for the group from **Bell** or **Melody** using ⬮ and press ⓞⓚ .

5. Select the desired one of the bell tones or the melody tones using ⬮ and press ⓞⓚ .

Editing an Existing Group

1. Select **Edit** using ⬮ and press ⓞⓚ.

2. Select an existing group you want to edit, and press ⓞⓚ .

3. Follow the steps 2 from 5 in "Adding a New Group" on page 70 to edit the group.

Erasing an Existing Group

1. Select **Erase** using ⬮ and press ⓞⓚ .

2. Select the group you want to erase, and press ⓞⓚ .

My Phone Number   *Menu 3-#*

You can view your phone number using this menu. If you have more than one phone number, press ⬆ or ⬇ to check the next number.

If necessary, press ⓞⓚ to edit the number.

PIM

The **PIM** (Personal Information Management) feature provides various convenient functions for your life, such as scheduler, to do list, alarm, world time, and so on. You can also enjoy several games with your phone.

Scheduler   *Menu 4-1*

This option allows you to view the past or future month as well as the current month in calendar format. You can be alerted by the Calendar function before an event is commenced. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined. You can schedule up to 20 events on a specific date.

Note: You can quickly access this menu by pressing ⟨☐⟩ in Standby mode.

Selecting a Day in Calendar

• You can move up or down by one week by pressing ⟨☐⟩ or ⟨☐⟩ .

• You can move right or left by one day by pressing ⟨☐⟩ or ⟨☐⟩ .

• To display the next or previous month, press the volume keys on the left side of the phone.

Creating a New Schedule

To create a new schedule on a specific day, proceed as follows:

1. Scroll to the desired day in the calendar by using ⟨☐⟩ , and press ⟨☐⟩ .

   Note: To skip to the previous or next month, press the volume keys on the left side of the phone.

2. Enter the time for the event and date and then press ⟨☐⟩ .

   Note: You must enter the hour in 24-hour format.

3. Enter the contents of the schedule and press ⟨☐⟩ . You can enter up to 32 characters. For details on entering text, see page 34.

4. Select the alarm type for the schedule between **Bell** and **Melody** using ⟨☐⟩.

   If you select **Off**, the phone does not alarms you the schedule.

5. Press ⟨☐⟩ to save the schedule. You can see the day with the scheduled events are underlined in the calendar.

Adding, Editing, or Deleting a Schedule

When you access a day with the schedule, you can see the schedule contents. If you have scheduled more than one events on the day, press ☎ or ☝ to scroll to the desired one.

When a stored schedule is displayed, press (MENU) to display the following options:

Edit: allows you to edit the today's schedule.

Add: allows you to add a new schedule on today.

Del: allows you to delete the schedule.

After you select an option by pressing ⬡ , press ☒ . Then follow the screen prompt.

To Do List   *Menu 4-2*

This feature allows you to draw up a list of tasks you need to do. You can store up to 20 tasks.

Creating the To Do List Item

1. Enter a task. You can enter up to 32 characters. For further details on how to enter characters, see page 34.

2. Press ☝ , and enter the desired date and time by when the task has to be done.

3. Press ☒ to save the task.

Adding, Editing and Erasing a To Do Item

When you access the To Do List menu, you can see the task you have created first. If you have scheduled more than one tasks on the day, press ☎ or ☝ to scroll to the desired one.

When a stored task is displayed, press (MENU) to display the following options.

Edit: allows you to edit the To Do item.

Add: allows you to add a new To Do item.

Del: allows you to delete the To Do item.

After you select an option by pressing ⬡ , press ☒ . Then follow the screen prompt.

Calculator   *Menu 4-3*

Using this feature, you can use the phone as a calculator. You can perform calculations including addition, subtraction, multiplication and division on your phone.

1. Enter the first number using the numeric keys.

2. Press ⬡ to set the operator for your calculation until the required arithmetic symbol appears: + (addition), - (subtraction), x (multiplication), / (division).

3. Enter the second number.

4. To perform calculation and see the result, press
   ⊛ .

5. Repeat steps 1 to 4 as many times as required.

   Each time you change the operator without
   pressing ⊛ , the previous calculation is performed
   and the result is displayed as the top number in
   the display.

Notes:
• To erase any mistakes and clear the display,
  press ⊂CLR⊃ .
• Use ⊂✳ Shift⊃ to enter a decimal point (.) and ⊂# ⊃ to
  change the sign of a number to a negative (-).

Set Time   *Menu 4-4*

The option enables you to set the current date and
time.

The current time, if set, displays. Enter the date and
time using the numeric keys. The month, day, hour
and minute must be entered with 2 digits. The year
requires all four digits. And you must enter for the
hour in 24-hour format.

If you do not input the time or you input the wrong
time, the phone prompts you to enter again.

Alarm   *Menu 4-5*

You can set an alarm to sound at a specific time and
a morning call to sound to wake you up in the
morning.

Note: Keep in mind that if your phone is off at the
         alarm set time, the alarm will not sound. In
         order for the alarm to work, the phone must
         be on, and you must be in a service area.

Setting a Morning Call

1. Press ⊂⊙⊃ to select **Morning Call** and then
   press ⊛.

2. Press ⊂⊙⊃ to set the Call Repeat option, and
   press ⊛ . The available options are **Daily**,
   Mon~Friday and **Mon~Saturday**.

3. Enter the time when the morning call works.

   Note: You must enter for the hour in 24-hour
            format.

4. When you have finished entering, press ⊛ to
   save the setting.

Releasing the morning call

To cancel the morning call, select **M.C. Release** by
pressing ⊂⊙⊃ and press ⊛ .

Setting an Alarm

1. Press ⬙ to select **Alarm** and then press Ⓧ.

2. Press ⬙ to select the Alarm Repeat option and then press Ⓧ .

   If you select **Daily**, the alarm rings every day at the same time.
   If you select **Once**, the alarm rings only once and then deactivates.

3. Enter the time when the alarm rings.

   Note: You must enter for hour in 24-hour format.

4. When you have finished entering, press Ⓧ to save the setting.

Releasing the Alarm

To cancel the alarm, select **Alarm Release** by pressing ⬙ and press Ⓧ.

Selecting an Alarm Melody

You can select a ring melody for the alarm and morning call.

1. Press ⬙ to scroll to **Alarm Melody**, and press Ⓧ.

2. Press ⬙ to select the desired one of three melodies and then press Ⓧ. Selecting **Vibrate** vibrates the phone instead of sounds the melody.

World Time   *Menu 4-6*

You may want to call a friend in another part of the world but wondered what time of the day it is there. To know what time it is, use this menu option.

Use ⬙ to find the current time in one of the following 24 time zones. Time zones are identified by one or more major cities, states, regions or countries in a time zone.

• Hong Kong, Beijing
• Guam, Sydney
• Wellington
• Honolulu, Hawaii
• LA, San Francisco
• Chicago, Dallas
• Caracas
• Mid Atlantic
• London
• Athens, Helsinki
• Abu Dabi
• Alma-ata

• Seoul, Tokyo
• Okhotsk
• Samoa, Midway
• Alaska
• Denver, Phoenix
• New York, Miami
• Buenos Aires
• Cape Verde
• Rome, Paris
• Moscow
• Tashkent
• Bangkok, Jakarta

Games
Menu 4-7

This menu enables you to enjoy the games, such as Push Push, F1 Racing, Flying tight, and Run to Money.

When the game start screen is displayed, press ⓜ (ⓞ in Push Push) to get help in playing the game.

To start the selected game, press ⓞ.

To end the game, press ⓔⓝⓓ at any time.

Messages

Using the **Messages** menu, you can:
• Read your text message and listen to the voice mail message.
• Create a text message or numeric page, and send it.

You can quickly access this menu by pressing ⓞ in Standby mode.

Inbox
Menu 5-1

Your phone can receive voice mail and text messages. When the phone receives a message, an alert sounds, and a text notification displays with the New message icon ✉. The icon remains on the display until you read the text messages or listen to the voice mail notification messages.

Your phone receives incoming messages in both Standby mode and Talk mode. The messages are received even when the phone is locked, but you cannot access the message. To review the message, you must unlock the phone.

Your phone can store up to 25 messages, depending on the length of the messages. If the message memory is full, an error message is displayed and you cannot receive any new message until you erase the obsolete messages.

Voice Mail

Accessing this menu immediately connects your voicemail box and plays back the latest voice mail message.

You can quickly access your voice mail box by pressing and holding down in Standby mode.

While listening to a voice mail, you can use following options:

To... **Press...**

Make a call to the sender — SEND

Erase the current message — OK

Text

An indexed list of text messages in the numeric order displays. An exclamation point next to an entry indicates that it is an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the desired message to view using, and press.

While reading a message, you can use the following options:

To... **Press...**

Make a call to the sender — SEND

Display next message

Display previous message

Send a reply message to the sender — MENU

Erase the current message — OK

Erase All

You can erase all voice mails, all text messages, or all Browser Alerts you have received.

When a confirming message displays after selecting the desired kind of the message, highlight **Yes** (or **No** not to erase) using and press to confirm your selection.

Set Alert Type

When you receive a new message in Standby mode, the phone alerts you. You can set how frequently this happens and which alert type sounds.

If you are on a call and receive a message, the phone automatically mutes the ringer and provides the call waiting tone (this is to avoid ringing in your ear while you are trying to talk).

The following options are available:

Interval: Set how often your phone alerts you that there are new received messages between **Every 2 Min** and **Once**. Selecting **OFF** does not sound the message alert.

Sound Type: Set the alert type for the message alert between **Bell 1** and **Bell 2**. Selecting **OFF** does not sound the message alert. Selecting **Vibrate** vibrates the phone when a new message comes in.

Browser Alerts

Accessing this menu immediately connects your wireless WAP inbox. Once you are connected to the wireless WAP, you will be charged for the browser call.

An indexed list of messages displays. An exclamation point next to the message number indicates that it is an urgent message. A check mark next to the message number indicates that you have read and stored the message. A colon mark indicates that you have not read the message yet.

Press ☎ or ☎ to scroll to the desired message and press ⊛ to review and re-view the message.

While reviewing a message. Press ⊛ to access the Options. Refer to the Options under "Text" on page 82.

Display

You can set the phone to display the contents of a new text message in Standby mode when it comes in.

Select **Set** to display the contents of the message. Otherwise, select **Cancel**.

Outbox

Menu 5-2

Your phone can transmit text messages and numeric pages to multiple locations.

Messaging

Using this menu, you can create a text message, store the text for future use, and set the priority level for messages.

Creating and Transmitting a New Message

To write and transmit a new message, do as follows:

1. When **New Message** is highlighted, press ⊛.

2. Enter the message as needed and press ⊛. The number of the characters you can enter may vary depending on service providers. Contact your service provider. For further details on entering text, see page 34.

3. When the phone asks if you want to store the entered text as a template for future use, press ⊛ to confirm **Yes**.

   Note: If the memory for the message templates is full, the warning message telling you that there is no empty space to save the message appears. You cannot store any more text until you erase the unnecessary text.

   Or, select **No** not to store the text by pressing and press ⊛.

4. Enter the phone number of the destination using the number keypad.

   Pressing ⊛ allows you to find and retrieve an entry from the Phonebook. For further details on finding a Phonebook entry, see page 65.

5. If you want to send the message to more than one persons, press ☰ and enter the phone number of another destination. If necessary, repeat this step to add more phone numbers. You can enter up to 10 persons.

   Note: You will be billed for each phone numbers.

6. When entering the phone number(s) is completed, press ⊛.

7. If you enter more than one destination numbers, the numbers will appear in the display. To change a number, press ⊛ to scroll to the number and press ⊛ to edit it. When you are satisfied with the numbers, press SEND to go to next step.

8. If necessary, change the Callback number which the recipient will call back to.

   Pressing ⊛ allows you to find and retrieve an entry from the Phonebook.

   The default Callback number is your phone number.

9. Press ⑧ to transmit the message.

If your phone fails to transmit the message successfully, the message asking if you want to retransmit the message will appear. Select **Yes** to try transmission again or **No** not to do, and press ⑧ .

10. When the display asks if you want to save the transmitted message in Sent Message, select **Yes** to save the message or **No** not to do, and press ⑧.

Note: If the memory for the sent messages is full, the message asking you if you want to delete an existing message appears. Select **Yes** to confirm it (or **No** not to do) and press ⑧. Then select a desired message using (◁< or ▷▷) then ⑧ . When a confirming message appears, select **Yes**.

Using Message Template

When creating a new message, your phone will ask if you want to store the text as a template. If you select **Yes**, the text will be stored in this menu. You can store up to 10 items depending on the length of the text and retrieve them any time you are needed.

1. Press ⊜ to select **Template**, and press ⑧.

2. Press ⊜ to select a desired text from the list, and press ⑧.

3. Edit the selected text as needed and follow the steps 3 to 10 in "Creating and Transmitting a New Message" to complete the transmission.

Erasing Message Template

To erase the message template you have, do as follows:

1. Press ⊜ to select **Erase**, and press ⑧ .

2. Press ⊜ to select a desired text from the list, and press ⑧ .

3. When a confirming message appears, select **Yes** to delete the text or **No** not to do and press ⑧ .

Setting Priority Level for Outgoing Messages

1. Press ⊜ to select **Priority**, and press ⑧.

2. Press ⊜ to select a desired one from three options; **Normal**, **Emergency**, and **Urgent**, and press ⑧.

The setting will be applied to all of the outgoing messages until you change it.

Sent Message

After transmission, the transmitted messages are stored in this menu depending on your selection. Your phone can store up to 10 messages .

Reviewing Sent Messages

1. When **Saved Message** is highlighted, press ⌨.
   You can see the oldest message.

2. Select the desired message to review by pressing
   (◖◁ or ▷◗) .

3. While reading a message, you can use the following options:

To...	Press...
Display the next message	▷◗
Display the previous message	◖◁
Retransmit the message	(SEND)
Erase the message	⌨

4. When reviewing is done, press (END/I) to return to Standby mode.

Erasing All Messages

You can erase all message saved in the **Saved Message** menu at one time.

1. Press (◖◁▷◗) to select **Erase All**, and press ⌨.
   You can see the oldest message.

2. When a confirming message appears, select **Yes** to erase all messages or **No** not to do, and press ⌨ .

Paging

This menu allows you to send the numeric pages.

1. Enter the phone number of the destination using the number keypad, and press ⌨.

   Pressing (MENU) allows you to find and retrieve an entry from the Phonebook. For further details on finding a Phonebook entry, see page 65.

2. Enter the Callback number which the recipient will call back to.

   Pressing (MENU) allows you to find and retrieve an entry from the Phonebook.

   The default Callback number is your phone number.

3. Press ⌨ or (SEND) to transmit the page.

Delivery Ack

This option allows you to activate or deactivate the delivery acknowledgement functions. When this function is inactive, the network informs you whether your message has been read or not by the recipient.

Select **Set** to activate this option, or **Cancel** to deactivate this option by pressing ⊙ .

Note: Delivery acknowledgement is provided from the network. Contact your service provider for further details on this feature.

Display

The Display menu enables you to:
• Set the back ground image or text
• Select date format to be displayed in Standby mode
• Set the backlight or the service light and adjust the contrast of the LCD screen.

Background   *Menu 6-1*

You can set the various images or text for the background of the display.

Power On/Off

Your phone displays an image briefly when it is switched on or off. This setting is just for fun and grins. You have a few animations to select from for these power on and off images.

The following options are available:

Power On: You can select an image to be displayed when you switch the phone on.

Power Off: You can select an image to be displayed when you switch the phone off.

WallPaper

Your phone displays an image in Standby mode. You have a few images to select from for wall paper. Selecting **No LOGO** displays no image.

If you select **Digital Clock**, you are provided with the following options:

Normal: displays the normal digital clock showing the current date and time.

> **Note**: While pressing and holding ⊂CLR⊃ in Standby mode, you can see normal digital clock regardless of the Wall Paper setting.

World Clock: displays the time in the selected area with the time in your area. Press ⊚ to select a city or country from the world map and press ⊛.

Text Slide

You can display the sliding text to be displayed in Standby.

The following options are available:

Enter Text: allows you to write and save text to be slided on top line of text and graphic area in the display. Clear up the old text by pressing ⊂CLR⊃ and enter text as your preference up to 16 characters. For details on entering text, see page 34.

Set ON/OFF: allows you turn this feature on or off. Select **Set** to display the sliding text or **Cancel** not to do.

Date   *Menu 6-2*

The current date and time appears on the bottom line of f the display in Standby mode. You can set the format in which the date and time is displayed.

The examples of the four formats using the current date and time are listed. Select the desired one from the list.

Back/SVC Light   *Menu 6-3*

Backlight

You can select whether or not the phone uses the backlight or how long the backlight is on. A marginal increase in standby/talk time can be achieved by turning the backlight off or setting the saving backlight.

The following options are available:

Interval: allows you to set the length of time the phone waits until the backlight turns off after you press a last key or open the cover, from **10 sec** and **30 sec**. If you select **Always on**, the backlight is on as long as the phone is open. Selecting **OFF** does not use the backlight.

Set Backlight: allows you to set the backlight type between **Normal** and **Saving**. Select **Saving** uses the backlight only from 5:00 PM to 8:00 AM. Doing this saves the power of the battery.

LCD Control

This option allows you to adjust the contrast of the display.

Enter the value using the numeric keys or press ☎ or ☎ (or the volume keys on the left side of the phone) repeatedly to increase or decrease the value.

SVC LED

This option allows you to select whether or not the service light in the top left-hand corner of the phone is used.

The following options are available:

Set: the service light flashes when the phone is ready for use.

Cancel: the service light is not used except when you switch the phone on.

Sounds

The Sounds menu enables you to:
• Set the ring type and tone
• Adjust the ring volume
• Set the alert tone to sound when you are connected to or disconnected from the system.
• Set the length of the DTMF tone.

Ring Type   *Menu 7-1*

This option allows you to indicate how you are to be informed of any incoming calls.

The following options are available:

Bell: The phone rings using the ring tone selected via the **Ring Tone** menu (**Menu 7-2**).

Vibrate: The phone vibrates but does not ring.

Lamp: The backlight is switched on and the service light blinks; the phone neither rings nor vibrates.

Vib + Bell: The phone vibrates and rings.

Bell + Vib: The phone rings and vibrates.

Bell ++: The phone rings using the ring tone, but the ring volume increases from the lowest level.

Bell --: The phone rings using the ring tone, but the ring volume decreases from the loudest level.

Ring Tone

Menu 7-2

This option allows you to select the required ring tone. Each time you select a tone, it sounds for a few seconds.

The following options are available:

Bell: you can choose from 5 different bell tones.

Melody: you can choose from 15 different melodies.

Ring Volume

Menu 7-3

This option allows you to adjust the ringer volume.

Press ⊙ (or the volume keys on the left side of the phone) to adjust the volume. The illustration shows the volume level. The more bars you see, the louder the volume is.

Connect Alert

Menu 7-4

With this menu option **Set**, the phone sounds the connect tone when your call is connected to the system.

Release Alert

Menu 7-5

With this menu option **Set**, the phone sounds the Release tone when a call is disconnected or dropped from the system.

DTMF Tone

Menu 7-6

The tone length setting enables you to select **Short** or **Long** DTMF (dual-tone multi-frequency) tones.

DTMF tones are what is send by your phone to access teleservices (such as a bank account). The system used by the bank or other service determines if you need short or long DTMF. If the service is digital (which most are these days), short DTMF will almost always work. However, some new systems and almost all older (analogue) systems require you to use long DTMF tones.

Security

Many different features of your phone can be customised to suit your preferences. You can:
• Restrict the unauthorised use.
• Change your NAM.
• Lock your phone
• Reset your phone setting and clear the memory.

To access the **Security** menu, you are required to enter your four-digit lock code. It is preset to '0000'.

Restrict   *Menu 8-1*

This feature provides you with the various options to restrict the unauthorised use.

The following options are available:

Lock Code: allows you to change your lock code. Enter a new lock code and press Ⓜ. Re-enter the lock code to confirm it and press Ⓜ.

Privacy: protects your private information. If you set this option private, the lock code is required to access your personal information, such as the phone book, scheduler, to do list, call logs and so on.

Memory: restricts viewing all numbers in the Phonebook and making a call using them.

Incoming Call: restricts all incoming calls to your phone.

Int. Call: restricts all international calls.

Incoming Num.: sets whether the phone to display the caller's number when a call comes in or not, if available. Select **Show** to display the caller's number, or **Block** not to display it.

All Out. Call: restricts all outgoing calls from your phone.

Set NAM   *Menu 8-2*

Your SAMSUNG phone can store two NAMs (NAM stands for Numerical Assignment Module - essentially your telephone number). This means you can have two phone numbers on your phone, and you can quickly and easily switch your service back and forth among the numbers. Using this menu, you can select the desired NAM.

Select desired one of the numbers. The phone will reboot and acquire the service using the new NAM setting.

Priority Number
Menu 8-3

This feature allows you to store priority numbers. These numbers can be dialled for emergency calls at any time, even when the phone is locked or when the outgoing call is restricted.

To store a priority number, proceed as follows:

1. Select a location using ☎ and ☎ , and then press ⓦ .

2. Enter the desired number.

   Each priority number can be up to 10 digits long. The number already stored in the location is automatically deleted when you enter the new number.

3. When entering is finished, press ⓦ to save the number.

To make an emergency call when your phone is locked, simply enter the priority number you have stored, then press (SEND).

System Selection
Menu 8-4

The system selection feature of your phone enables you to choose how your phone will roam. Roaming is a feature which is only relevant in areas where there are usually at least two cellular service providers which are referred to as "A" and "B" and have valid roaming agreements. Your service provider will provide you with information about this service or the best roaming methods for you.

The following options are available:

Standard: The phone will search for your service system first. When the service is not available, it will search for an alternate system automatically.

Home Only: With this setting, you cannot roam. If your home system is not available then your call will not be connected and the No Service indicator (✖) is displayed. In some service areas, an operator may come on line asking you how you would like to pay for the call.

Auto Lock
Menu 8-✱

This menu allows you to lock the phone. Locking the phone limits all use of your phone.

Selecting **Set** immediately locks your phone and stays locked until you cancel Auto Lock mode. You can see the Lock icon 🔒 in the display.
To use the phone in Lock mode:

Enter the four-digit lock code. Your phone unlocks temporarily and you can use it. If you switch the phone off and back on, it locks again.

To cancel Auto Lock mode and unlock the phone:

Enter the four-digit lock code in Lock mode to unlock the phone temporarily. Access the Auto Lock menu, and select **Cancel** to unlock your phone.

Initialise
Menu 8-#

You can initialise your phone to its default status.

Clear All

This menu allows you to erase all data you have stored in the phone's memory, such as phonebook entries, tasks, schedules, call logs and so on.

When a confirmation displays explaining that you will clear all data in the phone memory, select **Yes** to confirm. The phone reboots (turns itself off then on), and then returns to Standby mode.

Or, select **No** to cancel your selection and exit this menu.

Reset Phone

Resetting the phone returns to all user-selectable options to their default settings.

When a confirmation displays explaining that you will reset all the menu options, select **Yes** to confirm. The phone reboots (turns itself off then on), and then returns to Standby mode.

Or, select **No** to cancel your selection and exit this menu.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies:

• American National Standards Institute (ANSI) IEEE. C95.1-1992
• National Council on Radiation Protection and Measurement (NCRP). Report 86
• International Commission on Non-Ionising Radiation Protection (ICNIRP) 1996
• Ministry of Health (Canada), Safety Code 6.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.*

* In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg(w/kg) averaged over on gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safety exposure.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Samsung-approved accessories. When carrying the phone while it is on, use the specific Samsung belt-clip that has been tested for compliance.

Use of non-SAMSUNG-approved accessories may violate FCC RF exposure guidelines and should be avoided.

For additional information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC) RF Safety program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):
http://www.fcc.gov/oet/rfsafety

Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com

World Health Organization (WHO) International Commission on Non-ionising Radiation Protection (select Qs & As):
http://www.who.int/emf

United Kingdom, National Radiological Protection Board: http://www.nrpb.org.uk

U.S.Food and Drug Administration (FDA) Center for Devices and Radiological Health:
http://www.fda.gov/cdrh/consumer/

Precautions When Using Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

• Never use any charger or battery that is damaged in any way.

• Use the battery only for its intended purpose.

• If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

• Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

• If left unused, a fully charged battery will discharge itself over time.

• Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

• Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

• Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

• Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.

• Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference of danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 cm) be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimise the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all mobile phone equipment on your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Emergency Calls

Important!
This phone, like any mobile phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:
1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press <**SEND**>.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, OR any accessory:

• Keep it and all its parts and accessories out of small children's reach.

• Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

• Do not use or store it in dusty, dirty areas as its moving parts can be damaged.

• Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

• Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.

• Do not drop, knock or shake it. Rough handling can break internal circuit boards.

• Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

• Do not paint it. Paint can clog the device's moving parts and prevent proper operation.

• Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.

• If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

Base Station - The fixed radio transmitter/receiver that maintains communications with mobile radio telephones within a given area. (Typically seen as cell or cell site)

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversion is digitised and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Call Waiting - Ability to inform users that they have an incoming call when engaged on another call.

Line Identification Services (Caller ID Display) - Services allowing subscribers to view or block the telephone numbers of callers.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorised vehicles.

LCD - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger to indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Vocoder - Voice Coder. A device used to convert speech into digital signals.

Voicemail - A computerised answering service that answers a call, plays a greeting and records a message. Depending on the sophistication of the service, it can notify the subscriber, via a pager, of an incoming call or message. (Also called voice messaging)

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

SAMSUNG SCH-A212 Quick Reference Card

BASIC OPERATION

Make a call	Phone number + **SEND**
Receive a call	**SEND** or any key except **END**
Adjust speaker volume	(in Talk mode) ▲ /▼ repeatedly
Adjust key volume	(in Standby mode) ▲/▼ repeatedly
Redial last number	**SEND** twice
Scan the last calls and dial	**SEND** + Navigation ▼/▲ + **SEND**

INTERNAL PHONE BOOK

Store numbers into memory	Phone number + **MENU** + Select **Phonebook** + **OK** + Enter Name + Navigation ▼ + Enter location + Navigation ▲ + Select label + **OK**
Speed dial	One-Touch (000-009): Hold down the third digit. Two-Touch (010-099): Press the second digit then hold down the third digit. Three-Touch (100-199): Press the first and the second digit then hold down the third.
Find a number	
• by entry	▶ + entry number + **OK** + Navigation + **OK**
• by name	◀ + name + **OK** + Navigation + **OK**

MENU TREE

Main Menu *(To access, press MENU)*

1: WAP Browser	1 : WAP Browser 2 : Downloads 3 : Modem Setting	5: Messages	1 : Inbox 2 : Outbox
2: Calls	1 : Outgoing 2 : Incoming 3 : Erase Logs 4 : Air Time 5 : Answer Mode	6 : Display	1 : Background 2 : Date 3 : Back/SVC Light
3: Phone Book	1 : Find Number 2 : Add Entry 3 : Edit Group # : My Phone #	7 : Sounds	1 : Ring Type 2 : Ring Tone 3 : Ring Volume 4 : Connect Alert 5 : Release Alert 6 : DTMF Tone
4 : PIM	1 : Scheduler 2 : To Do List 3 : Calculator 4 : Set Time 5 : Alarm 6 : World Time 7 : Games	8 : Security	1 : Restrict 2 : Set NAM 3 : Priority # 4 : System Select * : Auto Lock # : Initialise